

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EE 03/00005A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K16/46 A61K47/48 A61K39/395

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ZHAO Y ET AL: "Chemical engineering of cell penetrating antibodies" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 254, no. 1-2, 1 August 2001 (2001-08-01), pages 137-145, XP004245448 ISSN: 0022-1759 the whole document ---	1-3, 14-16
Y	WO 98 52614 A (ROTHBARD JONATHAN B ;UNIV LELAND STANFORD JUNIOR (US); WENDER PAUL) 26 November 1998 (1998-11-26) abstract page 3, line 5 -page 4, line 6 page 5, line 9 - line 15 page 23, line 10 - line 21; figure 1; examples 5,11; table 1 ---	4-13
X	WO 98 52614 A (ROTHBARD JONATHAN B ;UNIV LELAND STANFORD JUNIOR (US); WENDER PAUL) 26 November 1998 (1998-11-26)	13-15
Y	abstract page 3, line 5 -page 4, line 6 page 5, line 9 - line 15 page 23, line 10 - line 21; figure 1; examples 5,11; table 1 ---	1-12
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

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Date of the actual completion of the international search

18 December 2003

Date of mailing of the international search report

21/01/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SCHWARZE S R ET AL: "PROTEIN TRANSDUCTION: UNRESTRICTED DELIVERY INTO ALL CELLS?" TRENDS IN CELL BIOLOGY, ELSEVIER SCIENCE LTD, XX, vol. 10, no. 7, July 2000 (2000-07), pages 290-295, XP001135090 ISSN: 0962-8924 page 290, column 1 -page 292, column 2; figure 1 page 293, column 2, paragraph 3 -page 295, column 1 ---	1-16
Y	SOOMETS A C U ET AL: "Deletion analogues of transportan" BIOCHIMICA ET BIOPHYSICA ACTA. BIOMEMBRANES, AMSTERDAM, NL, vol. 1467, no. 1, 31 July 2000 (2000-07-31), pages 165-176, XP004273270 ISSN: 0005-2736 abstract page 165, column 1, paragraph 1 -page 166, column 1, paragraph 3; table 1 page 174, column 2, paragraph 2 page 175, column 2, paragraph 2 ---	1-12, 14-16
Y	WO 01 12655 A (KAROLINSKA INNOVATIONS AB ;TOFTGAARD RUNE (SE)) 22 February 2001 (2001-02-22) abstract page 3, line 19 - line 27 page 11, line 30 -page 12, line 23; claims 11-13; figure 8 ---	1-16
Y	US 6 238 876 B1 (AL TABA ARIEL RUIZ I) 29 May 2001 (2001-05-29) column 1, line 9 - line 17 column 1, line 66 -column 2, line 5 column 2, line 17 - line 30 column 2, line 47 - line 52 column 5, line 48 -column 6, line 24 column 6, line 65 -column 7, line 56; figure 7; examples 2,4; table 1 ---	1-16
Y	KIPRIYANOV S M ET AL: "GENERATION OF RECOMBINANT ANTIBODIES" MOLECULAR BIOTECHNOLOGY, TOTOWA, NJ, US, vol. 12, no. 2, September 1999 (1999-09), pages 173-201, XP009006067 ISSN: 1073-6085 the whole document ---	6-9 -/-

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EE 03/00005

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GREEN J ET AL: "Basal cell carcinoma development is associated with induction of the expression of the transcription factor Gli-1" BRITISH JOURNAL OF DERMATOLOGY, vol. 139, no. 5, November 1998 (1998-11), pages 911-915, XP002265619 ISSN: 0007-0963 abstract page 914, column 1, paragraphs 1,2 ----	1-16
A	LINDGREN M M ET AL: "Cell-penetrating peptides" TRENDS IN PHARMACOLOGICAL SCIENCES, ELSEVIER TRENDS JOURNAL, CAMBRIDGE, GB, vol. 21, no. 3, March 2000 (2000-03), pages 99-103, XP004202572 ISSN: 0165-6147 abstract page 100, column 2, paragraph 3 -page 101, column 1, paragraph 5; tables 1,2 ----	1-16
A	HALLBRINK A C M ET AL: "Cargo delivery kinetics of cell-penetrating peptides" BIOCHIMICA ET BIOPHYSICA ACTA. BIOMEMBRANES, AMSTERDAM, NL, vol. 1515, no. 2, 1 December 2001 (2001-12-01), pages 101-109, XP004323203 ISSN: 0005-2736 abstract page 101, column 2, paragraph 1 -page 102, column 2, paragraph 3; figures 6,7; table 1 ----	1-16
A	DALL'ACQUA W ET AL: "ANTIBODY ENGINEERING" CURRENT OPINION IN STRUCTURAL BIOLOGY, CURRENT BIOLOGY LTD., LONDON, GB, vol. 8, no. 4, August 1998 (1998-08), pages 443-450, XP009003344 ISSN: 0959-440X the whole document -----	1-16

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EE 03/00005

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9852614	A 26-11-1998	AT 251913	T	15-11-2003
		AU 734827	B2	21-06-2001
		AU 7593898	A	11-12-1998
		BR 9809138	A	28-08-2001
		CN 1263473	T	16-08-2000
		DE 69818987	D1	20-11-2003
		EP 1304122	A2	23-04-2003
		EP 0975370	A2	02-02-2000
		GB 2341390	A , B	15-03-2000
		JP 2002502376	T	22-01-2002
		PL 337033	A1	31-07-2000
		US 6306993	B1	23-10-2001
		WO 9852614	A2	26-11-1998
		US 2003162719	A1	28-08-2003
		US 6495663	B1	17-12-2002
		US 2002131965	A1	19-09-2002
WO 0112655	A 22-02-2001	AU 6744400	A	13-03-2001
		WO 0112655	A1	22-02-2001
US 6238876	B1 29-05-2001	US 2003100032	A1	29-05-2003